

SECTION 08162

ICU/CCU SLIDING DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Two-leaf sliding doors, panels, jambs, and hardware.
 - 1. Standard.
 - 2. Slim-Line.
 - 3. With floor track.
 - 4. Trackless.

- B. Three-leaf sliding doors, panels, jambs, and hardware.
 - 1. Standard.
 - 2. Slim-line.
 - 3. Slim-Line telescopic.
 - 4. With floor track.
 - 5. Trackless.

- C. Four-leaf sliding doors, panels, jambs, and hardware.
 - 1. Standard.
 - 2. Slim-Line.
 - 3. With floor track.
 - 4. Trackless.

- D. Slim-Line telescopic six-leaf sliding doors, panels, jambs, and hardware.
 - 1. With floor track.
 - 2. Trackless.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete: Preparation of concrete to accept recessed floor track.

- B. Section 07900 - Joint Sealers.

- C. Section 08800 - Glass and Glazing.

- D. Section _____ - _____.

1.3 REFERENCES

- A. NFPA 101 - Safety to Life from Fire in Buildings and Structures.

1.4 DEFINITIONS

- A. SX Panel: Sliding panel which swings open upon pushing.
- B. SO Panel: Sidelite panel, normally stationary, which will swing open in an emergency.
- C. X Panel: Sliding panel in trackless Slim-Line telescoping doors, unable to swing.
- D. O Panel: Sidelite panel in trackless Slim-Line telescoping doors, unable to swing.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog data, detail sheets, and specifications.
- C. Shop Drawings: Prepared specifically for this project; show dimensions of doors, sidelites, details of construction, and interface with other products.
- D. Operating and Maintenance Data: Operating and maintenance instructions, and parts lists.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Factory-trained, with minimum 3 years experience.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Provide products made by Dor-O-Matic, 7350 West Wilson Avenue, Harwood Heights, IL 60656-4786. ASD. Tel: (708) 867-7400 or (800) 543-4635. Fax: (708) 867-0291.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.
- D. Provide all ICU/CCU sliding doors from a single manufacturer.

2.2 DOORS AND FRAMES

- A. Doors, Sidelites, Headers, and Trim: Extruded aluminum alloy 6063-T5, nominal 0.125 inch (3.17 mm) wall thickness.
1. Door and Sidelite Construction: Heavy-duty interlocked sections, through-rod bolted construction; steel corner support at hinge stile of carrier-suspended SX panels to eliminate sag in sliding or breakout mode.
 - a. Combination Support Guide: SX panel.
 - b. Roller Assembly: SO sidelite panel.
 - c. Glass Jacking Screw Assembly: SO sidelite panel.
 2. Electrically ground sliding doors against static electricity.
 3. Door Hanger Brackets: Nylon wheels with hardened steel bearings.
 4. Door Suspension System: SX breakout panels suspended over centerline of door.
 5. Glazing Stops: 5/8 inch (15.87 mm) high.
 6. Pivot Base Plate: Under each SO sidelite panel.
 7. Concealed Floating Pivots: In each panel.
 8. Headers: 6-3/4 inches (170 mm) high, 4 inches (100 mm) wide, with full-width swing-out access cover.
 - a. Built-in anti-riser system.
 9. Headers: 2-1/2 inches (63 mm) high, 4-1/2 inches (114 mm) wide.
 - a. Built-in anti-riser system.
 10. Headers: 2-1/2 inches (63 mm) high, 4-1/2 inches (114 mm) wide with extruded aluminum stop bar mounted to underside in door opening to prevent SX panel from swinging until slid back to full position.
 - a. Built-in anti-riser system.
 11. Headers: 2-1/2 inches high (63 mm), 7 inches (178 mm) wide.
 12. Hardware: Door handles, recessed door pulls, and other hardware required for normal and emergency egress operation per NFPA 101.
 - a. Emergency Egress: Non-adjustable magnetic latch on SX panels and emergency breakaway release on SO panels, allowing 90 degree swing of both panels under minimum pressure from any position in SX panel cycle.
 - b. Emergency Egress: Spring-loaded stainless steel ball detent latch on SO and SX panels, allowing 90 degree swing of both panels under minimum pressure from any position in SX panel cycle.
 - c. Emergency Egress: Flush bolt in SO panel releasable after SX panel is in full open

- position past aluminum stop bar, allowing 90 degree swing of both panels as a single unit under field-adjustable pressure.
- d. Emergency Egress: Spring-loaded stainless steel ball detent latch on SO and SX panels, allowing 90 degree swing of both panels under minimum pressure from any position in SX panel cycle.
 - e. Emergency Egress: Spring-loaded stainless steel ball detent latch on SX panel(s), allowing 90 degree swing of SX panel(s) under minimum pressure from any position in panel cycle.
- 13. Finish: Dark bronze anodized.
 - 14. Finish: Natural aluminum anodized.
 - 15. Finish: Black anodized.
 - 16. Finish: Kynar 500(tm) coating; color: _____.
 - 17. Finish: Clad, _____.
- B. Track: Recessed in floor.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that door openings are plumb, square, and ready for installation of ICU/CCU sliding doors.
- B. Verify that concrete is properly prepared to receive recessed floor track.

3.2 INSTALLATION

- A. Install ICU/CCU sliding doors, frames, hardware, and accessories in accordance with manufacturer's instructions.
- B. Install floor track in accordance with manufacturer's instructions.

3.3 ADJUST AND CLEAN

- A. Adjust doors for proper operation, without binding or scraping and without excessive noise.

END OF SECTION